

Electronic Filing System (EFS) Data
Electronic Patent Application Submission
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EFS ID: 17033
Application ID: 10064727
Title of Invention: Combining NMR, Density, and
Dielectric Measurements for
Determining Downhole Reservoir
Fluid Volumes
First Named Inventor: Robert Freedman
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2002-08-09
Submission Type: Utility Patent Filing
Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: 20.2760
Digital Certificate Holder: cn=Brigitte LaNette Jeffery, ou=Registered Attorneys, ou=Patent
and Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US
Certificate Message Digest: Zuh4Z2HtEhm2ah5H77cb/w==
Total Fees Authorized: \$1208.0
Payment Category: DA - Deposit Account
Deposit Account Number: 190610
Deposit Account Name: Brigitte L. Jeffery





TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Attorney Docket
Number:

20.2760

Submission Type: Utility Patent
Filing

Combining NMR, Density, and Dielectric Measurements for Determining Downhole Reservoir Fluid Volumes

First Named Inventor: Robert Freedman

SUBMITTED BY

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I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

declaration	202760d1.tif
declaration	202760d2.tif
declaration	202760d3.tif
bid-transmittal	submitapds.xml
fee-transmittal	submitfee.xml
specification	SPECIFICATION.xml

Attached Image File(s):

202760d1.tif
202760d2.tif
202760d3.tif

Comments:

Attorney Docket No: 20.2760

DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, and

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**COMBINING NMR, DENSITY, AND HIGH FREQUENCY DIELECTRIC LOGGING
MEASUREMENTS FOR IMPROVED FORMATION EVALUATION**

the specification of which

☒ [X] is attached hereto.

☐ [] was filed on _____.

as Application Serial Number _____

or PCT International Application Number _____

and was amended on (if applicable) _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)
Priority Claimed

YES ☐ [] NO
(Number) (Country)

/ / / []
D/ M/ YR FILED

YES ☐ [] NO
(Number) (Country)

/ / / []
D/ M/ YR FILED

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below:

Application No.	†	Filing Date
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Application No.		Filing Date
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I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status-patented, pending, abandoned
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Application Serial No.	Filing Date	Status-patented, pending, abandoned
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As a named inventor, I hereby appoint the following attorney(s) and/or agents(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: John J. Ryberg, #31,134; Brigitte L. Jeffery, #38,925; J.L. (Jennie) Salazar, #45,065; Kevin P. McEnaney, #46,258 and Victor H. Segura, #44,329; and I hereby request that all correspondence, notices, official letters and other communication be directed to Schlumberger Technology Corporation, ATTN: IP Counsel, P. O. BOX 2175, Houston, Texas 77252-2175; and that all telephone calls be directed to: Brigitte L. Jeffery, at (281) 285 7067, Schlumberger Oilfield Services, P. O. BOX 2175, Houston, Texas 77252-2175. **Our Customer Service No. is 23718.**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SOLE OR FIRST INVENTOR

Signature Robert Freedman Date August 9, 2002

Full Name: Robert Freedman

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FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 1208

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 190610



Deposit Account Name: schlumberger oilfield services

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

SUBMITTED BY

Authorized Name: Brigitte L. Jeffery

Electronic Signature Mark: Brigitte L. Jeffery

Date Signed: 20020809

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 32	103	\$ 18	12	\$ 216
Independent Claims: 6	102	\$ 84	3	\$ 252

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Subtotal For Extra Claims Fees: \$ 468